
ONT-093

产品编号: D51612

CAS: 216227-54-2

分子式: C₃₂H₃₈N₄O

纯度: ≥98%

InChi: InChI=1S/C₃₂H₃₈N₄O/c1-6-37-21-7-8-24-9-11-27(12-10-24)32-35-30(25-13-17-28(18-14-25)33-22(2)3)31(36-32)26-15-19-29(20-16-26)34-23(4)5/h7-20,22-23,33-34H,6,21H₂,1-5H₃, (H,35,36)/b8-7+

InChi Key: RSJCLODJSVZNQA-BQYQJAHWSA-N

Smiles: CCOC/C=C/C1C=CC(=CC=1)C1NC(=C(N=1)C1C=CC(=CC=1)NC(C)C)C1C=CC(=CC=1)NC(C)C

外观: 固体粉末

溶解性: Soluble in DMSO, not in water

保存条件: Store in dry, dark place for one year.

产品介绍: ONT-093, also known as OC-144-093, is an orally bioavailable P-glycoprotein pump inhibitor, for the potential reversal of multidrug resistance in patients undergoing cancer chemotherapy. ONT-093 could inhibit P-gp and reverse multidrug resistance at nM concentrations with no effect on paclitaxel pharmacokinetics. OC144-093 is the least non-specifically toxic Pgp inhibitor described to date, with an average cytostatic IC₅₀ of >60 microM in 15 cell types. OC144-093 may represent an ideal candidate for use in enhancement of AED blood-brain barrier penetration.